

## STN Columbus

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 OCT 23 The Derwent World Patents Index suite of databases on STN  
has been enhanced and reloaded  
NEWS 4 OCT 30 CHEMLIST enhanced with new search and display field  
NEWS 5 NOV 03 JAPIO enhanced with IPC 8 features and functionality  
NEWS 6 NOV 10 CA/CAPLUS F-Term thesaurus enhanced  
NEWS 7 NOV 10 STN Express with Discover! free maintenance release Version  
8.01c now available  
NEWS 8 NOV 20 CA/CAPLUS to MARPAT accession number crossover limit increased  
to 50,000  
NEWS 9 DEC 01 CAS REGISTRY updated with new ambiguity codes  
NEWS 10 DEC 11 CAS REGISTRY chemical nomenclature enhanced  
NEWS 11 DEC 14 WPIDS/WPINDEX/WPIX manual codes updated  
NEWS 12 DEC 14 GBFULL and FRFULL enhanced with IPC 8 features and  
functionality  
NEWS 13 DEC 18 CA/CAPLUS pre-1967 chemical substance index entries enhanced  
with preparation role  
NEWS 14 DEC 18 CA/CAPLUS patent kind codes updated  
NEWS 15 DEC 18 MARPAT to CA/CAPLUS accession number crossover limit increased  
to 50,000  
NEWS 16 DEC 18 MEDLINE updated in preparation for 2007 reload  
NEWS 17 DEC 27 CA/CAPLUS enhanced with more pre-1907 records  
NEWS 18 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals  
NEWS 19 JAN 16 CA/CAPLUS Company Name Thesaurus enhanced and reloaded  
NEWS 20 JAN 16 IPC version 2007.01 thesaurus available on STN  
NEWS 21 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data  
NEWS 22 JAN 22 CA/CAPLUS updated with revised CAS roles  
NEWS 23 JAN 22 CA/CAPLUS enhanced with patent applications from India  
NEWS 24 JAN 29 PHAR reloaded with new search and display fields  
NEWS 25 JAN 29 CAS Registry Number crossover limit increased to 300,000 in  
multiple databases  
NEWS 26 FEB 13 CASREACT coverage to be extended  
NEWS 27 FEB 15 PATDPASPC enhanced with Drug Approval numbers  
NEWS 28 FEB 15 RUSSIAPAT enhanced with pre-1994 records  
NEWS 29 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality  
NEWS 30 FEB 26 MEDLINE reloaded with enhancements  
NEWS 31 FEB 26 EMBASE enhanced with Clinical Trial Number field  
NEWS 32 FEB 26 TOXCENTER enhanced with reloaded MEDLINE  
NEWS 33 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements  
NEWS 34 FEB 26 CAS Registry Number crossover limit increased from 10,000  
to 300,000 in multiple databases  
  
NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that  
specific topic.

All use of STN is subject to the provisions of the STN Customer  
agreement. Please note that this agreement limits use to scientific  
research. Use for software development or design or implementation  
of commercial gateways or other similar uses is prohibited and may  
result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 17:13:21 ON 26 FEB 2007

=> fil ca; e US-20050175910/pn  
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 0.21       | 0.21    |

FULL ESTIMATED COST

FILE 'CA' ENTERED AT 17:13:43 ON 26 FEB 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 22 Feb 2007 VOL 146 ISS 10  
FILE LAST UPDATED: 22 Feb 2007 (20070222/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

|     |       |                 |
|-----|-------|-----------------|
| E1  | 1     | US2005175907/PN |
| E2  | 3     | US2005175908/PN |
| E3  | 1 --> | US2005175910/PN |
| E4  | 1     | US2005175911/PN |
| E5  | 1     | US2005175912/PN |
| E6  | 1     | US2005175913/PN |
| E7  | 1     | US2005175914/PN |
| E8  | 1     | US2005175915/PN |
| E9  | 1     | US2005175916/PN |
| E10 | 1     | US2005175917/PN |
| E11 | 1     | US2005175918/PN |
| E12 | 1     | US2005175919/PN |

=> s e3

L1 1 US2005175910/PN

=> sel rn

E1 THROUGH E5 ASSIGNED

=> fil reg; s e1-e5  
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 2.45       | 2.66    |

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 17:13:55 ON 26 FEB 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 FEB 2007 HIGHEST RN 923060-60-0  
DICTIONARY FILE UPDATES: 25 FEB 2007 HIGHEST RN 923060-60-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when

conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

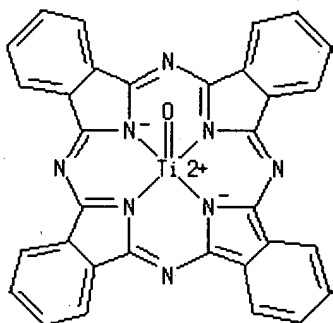
```

1 2082-79-3/BI
  (2082-79-3/RN)
1 26201-32-1/BI
  (26201-32-1/RN)
1 63371-84-6/BI
  (63371-84-6/RN)
1 65181-78-4/BI
  (65181-78-4/RN)
1 991-84-4/BI
  (991-84-4/RN)
L2 5 (2082-79-3/BI OR 26201-32-1/BI OR 63371-84-6/BI OR 65181-78-4/BI
    OR 991-84-4/BI)
```

=> d scan

```

L2 5 ANSWERS  REGISTRY  COPYRIGHT 2007 ACS on STN
IN  Titanium, oxo[29H,31H-phthalocyaninato(2-)-kN29,kN30;kN3
    1,kN32]-, (SP-5-12) - (9CI)
MF  C32 H16 N8 O Ti
CI  CCS, COM
```

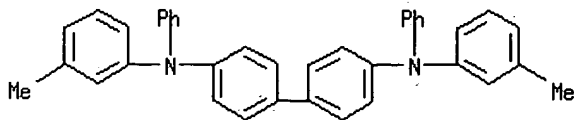


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

```

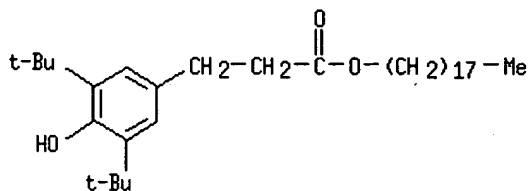
L2 5 ANSWERS  REGISTRY  COPYRIGHT 2007 ACS on STN
IN  [1,1'-Biphenyl]-4,4'-diamine, N,N'-bis(3-methylphenyl)-N,N'-diphenyl-
    (9CI)
MF  C38 H32 N2
CI  COM
```



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

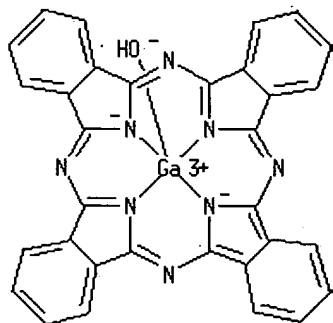
L2 5 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester (9CI)  
 ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT  
 MF C35 H62 O3  
 CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

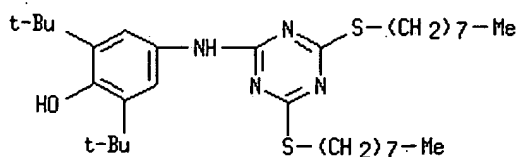
L2 5 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Gallium, hydroxy[29H,31H-phthalocyaninato(2-)-KN29,KN30,KN31,KN32]-, (SP-5-12)- (9CI)  
 MF C32 H17 Ga N8 O  
 CI CCS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L2 5 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Phenol, 4-[[4,6-bis(octylthio)-1,3,5-triazin-2-yl]amino]-2,6-bis(1,1-dimethylethyl)- (9CI)  
 MF C33 H56 N4 O S2  
 CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> s l2 and triazin  
152857 TRIAZIN  
L3 1 L2 AND TRIAZIN

=> fil ca; s l3  
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 5.40       | 8.06    |

FULL ESTIMATED COST

FILE 'CA' ENTERED AT 17:14:27 ON 26 FEB 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 22 Feb 2007 VOL 146 ISS 10  
FILE LAST UPDATED: 22 Feb 2007 (20070222/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

L4 422 L3

=> s (charge (w) transport?) (p) l4  
486448 CHARGE  
782057 TRANSPORT?

L5 11 (CHARGE (W) TRANSPORT?) (P) L4

=> d scan

L5 11 ANSWERS CA COPYRIGHT 2007 ACS on STN  
IC ICM G03G005-06  
ICS G03G005-06; G03G005-05  
CC 74-3 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)  
TI Organic electrophotographic photoreceptor  
ST electrophotog photoreceptor charge transport material antioxidant  
IT Electrophotographic photoconductors and photoreceptors  
(org. electrophotog. photoreceptor with extended service life)  
IT 7616-22-0 10191-41-0  
RL: MOA (Modifier or additive use); USES (Uses)  
(anti-discoloration agent in charge transport layer)  
IT 74-31-7 96-69-5 101-67-7 101-72-4 119-47-1 123-28-4 128-37-0,  
uses 489-01-0 603-35-0, Triphenylphosphine, uses 693-36-7 723-38-6  
903-19-5 991-84-4 1038-95-5, Tri(p-tolyl)phosphine  
2071-20-7, Bis(diphenylphosphino)methane 3147-75-9 3818-54-0  
4595-23-7 6163-58-2, Tri(o-tolyl)phosphine 6224-63-1,  
Tri(m-tolyl)phosphine 6737-42-4, 1,3-Bis(diphenylphosphino)propane  
10580-59-3 13348-35-1 14670-48-5 23128-74-7 31570-08-8  
35074-77-2 52066-84-9 54637-02-4 63843-89-0 71656-21-8

91788-83-9 112147-65-6  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (antioxidant additive to **charge transport** layer of  
 electrophotog. photoreceptor)

IT 574-93-6, Phthalocyanine  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (charge generation compd. in electrophotog. photoreceptor)

IT 122836-85-5 178496-39-4 178496-40-7  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (charge transport compd. in electrophotog. photoreceptor)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L5 11 ANSWERS CA COPYRIGHT 2007 ACS on STN  
 CC 74-3 (Radiation Chemistry, Photochemistry, and Photographic and Other  
 Reprographic Processes)  
 Section cross-reference(s): 38

TI Electrophotographic photoreceptor containing aromatic polyamine  
 charge-transporting agent, process cartridge, and apparatus

ST electrophotog photoreceptor arom polyamine charge transporting agent;  
 antioxidant photosensitive layer electrophotog photoreceptor

IT Polyamines  
 RL: DEV (Device component use); USES (Uses)  
 (arom.; electrophotog. photoreceptor with photosensitive layer contg.  
 arom. polyamine charge-transporting agent)

IT Electrophotographic photoconductors (photoreceptors)  
 (electrophotog. photoreceptor with photosensitive layer contg. arom.  
 polyamine charge-transporting agent)

IT Antioxidants  
 (electrophotog. photoreceptor with photosensitive layer contg. arom.  
 polyamine charge-transporting agent and antioxidant)

IT 123-28-4, Irganox PS 800FL 128-37-0, BHT, uses 991-84-4,  
 Irganox 565 1709-70-2, Irganox 1330 31570-04-4, Irgafos 168  
 35074-77-2, Irganox 259 36443-68-2, Irganox 245 63843-89-0, Tinuvin  
 144 65447-77-0, Tinuvin 622LD 70321-86-7, Tinuvin 234 73754-27-5,  
 Sanol LS 2626 110553-27-0, Irganox 1520 122586-52-1, Tinuvin.123  
 RL: DEV (Device component use); MOA (Modifier or additive use); USES  
 (Uses)  
 (antioxidant; electrophotog. photoreceptor with photosensitive layer  
 contg. arom. polyamine **charge-transporting** agent  
 and antioxidant)

IT 26201-32-1, Titanylphthalocyanine 95993-65-0  
 RL: DEV (Device component use); USES (Uses)  
 (charge-generating agent; electrophotog. photoreceptor with  
 photosensitive layer contg. arom. polyamine charge-transporting agent  
 and antioxidant)

IT 228718-90-9 547763-81-5 904892-12-2 904892-13-3 904892-14-4  
 904892-15-5 904892-16-6 904892-18-8 904892-19-9 904892-20-2  
 904892-21-3 904892-22-4  
 RL: DEV (Device component use); USES (Uses)  
 (electrophotog. photoreceptor with photosensitive layer contg. arom.  
 polyamine charge-transporting agent)

IT 904892-17-7DP, 4,4'-Dibromobiphenyl-2,4-dimethylaniline copolymer,  
 methyl-terminated 904892-23-5P  
 RL: DEV (Device component use); IMF (Industrial manufacture); PREP  
 (Preparation); USES (Uses)  
 (electrophotog. photoreceptor with photosensitive layer contg. arom.  
 polyamine charge-transporting agent)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L5 11 ANSWERS CA COPYRIGHT 2007 ACS on STN  
 IC ICM G03G005-07  
 ICS G03G005-05  
 CC 74-3 (Radiation Chemistry, Photochemistry, and Photographic and Other  
 Reprographic Processes)

TI Electrophotographic photoreceptor using polyamine charge-transporting  
 agent, process cartridge, and apparatus

ST electrophotog photoreceptor polyamine charge transporting agent; dibutyl  
 phenol piperidine additive charge transporting layer photoreceptor

IT Polyamines  
 RL: DEV (Device component use); USES (Uses)

(arom.; electrophotog. photoreceptor with charge-transporting layer  
contg. polyamine and dibutylphenol and/or piperidine additives)

IT Electrophotographic apparatus  
(electrophotog. app. using photoreceptor with charge-transporting layer  
contg. polyamine and dibutylphenol and/or piperidine additives)

IT Electrophotographic photoconductors (photoreceptors)  
(electrophotog. photoreceptor with charge-transporting layer contg.  
polyamine and dibutylphenol and/or piperidine additives)

IT 73754-27-5, LS 2626  
RL: DEV (Device component use); MOA (Modifier or additive use); USES  
(Uses)  
(LS 2626; electrophotog. photoreceptor with charge-transporting layer  
contg. polyamine and dibutylphenol and/or piperidine additives)

IT 666175-97-9 666176-06-3 666176-07-4 666176-08-5 854512-39-3  
854512-40-6 854512-41-7 854512-42-8 854512-43-9 854512-44-0  
854512-45-1 854512-46-2 854512-47-3 854512-48-4 854512-49-5  
854512-50-8 854512-51-9 854512-52-0 854512-53-1  
RL: DEV (Device component use); USES (Uses)  
(electrophotog. photoreceptor with charge-transporting layer contg.  
polyamine and dibutylphenol and/or piperidine additives)

IT 666175-95-7P 666175-99-1P 666176-00-7P  
RL: DEV (Device component use); IMF (Industrial manufacture); PREP  
(Preparation); USES (Uses)  
(electrophotog. photoreceptor with charge-transporting layer contg.  
polyamine and dibutylphenol and/or piperidine additives)

IT 128-37-0, BHT, uses 991-84-4, Irganox 565 1709-70-2, Irganox  
1330 6683-19-8, Irganox 1010 35074-77-2, Irganox 259 41484-35-9,  
Irganox 1035 41556-26-7, Tinuvin 765 63843-89-0, Tinuvin 144  
65447-77-0, Tinuvin 622LD 122586-52-1, Tinuvin 123  
RL: DEV (Device component use); MOA (Modifier or additive use); USES  
(Uses)  
(electrophotog. photoreceptor with **charge-**  
**transporting** layer contg. polyamine and dibutylphenol and/or  
piperidine additives)

IT 19616-28-5P 94026-73-0P 666176-11-0P 666176-12-1P 666176-15-4P  
666176-16-5P 666176-17-6P 666176-18-7P 854512-54-2P 854512-55-3P  
854512-56-4P  
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT  
(Reactant or reagent)  
(prepn. of arom. polyamine charge-transporting agent)

IT 92-86-4, 4,4'-Dibromobiphenyl 95-68-1, 2,4-Dimethylphenylamine  
106-38-7, 1-Bromo-4-methylbenzene 583-70-0, 1-Bromo-2,4-dimethylbenzene  
10016-52-1, 2,8-Dibromodibenzofuran 31574-87-5, 2,8-  
Dibromodibenzothiophene 105946-82-5, 4-Bromo-4'-iodobiphenyl  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(prepn. of arom. polyamine charge-transporting agent)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> d his

(FILE 'HOME' ENTERED AT 17:13:21 ON 26 FEB 2007)

FILE 'CA' ENTERED AT 17:13:43 ON 26 FEB 2007

E US-20050175910/PN

L1 1 S E3  
SEL RN

FILE 'REGISTRY' ENTERED AT 17:13:55 ON 26 FEB 2007

L2 5 S E1-E5  
L3 1 S L2 AND TRIAZIN

FILE 'CA' ENTERED AT 17:14:27 ON 26 FEB 2007

L4 422 S L3  
L5 11 S (CHARGE (W) TRANSPORT?) (P) L4

=> d bib kwic 5-11

L5 ANSWER 5 OF 11 CA COPYRIGHT 2007 ACS on STN

Full Text

AN 141:251400 CA

TI Electrophotographic organic photoreceptor with charge generating and

charge transport layers  
IN Ishida, Takeshi; Tokutake, Shigeaki; Inagaki, Keiichi  
PA Minolta Camera Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 28 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese  
FAN.CNT 1

|      | PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---------------|------|----------|-----------------|----------|
| PI   | JP 2004251967 | A    | 20040909 | JP 2003-39553   | 20030218 |
| PRAI | JP 2003-39553 |      | 20030218 |                 |          |

IT 85-60-9, Yoshinox BB 128-37-0, Yoshinox BHT, uses 991-84-4, Irganox 565 1709-70-2, Irganox 1330 2668-47-5 6683-19-8, Irganox 1010 23328-53-2, Tinuvin 571 27676-62-6, Irganox 3114 52829-07-9, Sanol LS 770 65447-77-0, Tinuvin 622LD 73754-27-5, Sanol LS 2626  
RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)  
(antioxidant; electrophotog. photoreceptor with two charge-transporting layers)

L5 ANSWER 6 OF 11 CA COPYRIGHT 2007 ACS on STN

Full Text

AN 140:101977 CA  
TI Photoreceptors with stable chargeability and good sensitivity manufactured by using halogen-free solvents, and electrophotographic apparatus having them  
IN Aoto, Atsushi; Kimura, Michio  
PA Ricoh Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 39 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese  
FAN.CNT 1

|      | PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
|------|----------------|------|----------|-----------------|----------|
| PI   | JP 2004012718  | A    | 20040115 | JP 2002-164899  | 20020605 |
| PRAI | JP 2002-164899 |      | 20020605 |                 |          |

OS MARPAT 140:101977

IT 991-84-4

RL: DEV (Device component use); USES (Uses)  
(charge transporter; electrophotog. photoreceptors with stable chargeability and good sensitivity manufd. by using halogen-free solvents)

L5 ANSWER 7 OF 11 CA COPYRIGHT 2007 ACS on STN

Full Text

AN 137:26079 CA  
TI Electrophotographic image formation method and apparatus, and process cartridge used in the apparatus  
IN Asano, Masao  
PA Konica Co., Japan  
SO Jpn. Kokai Tokkyo Koho, 23 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese  
FAN.CNT 1

|      | PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
|------|----------------|------|----------|-----------------|----------|
| PI   | JP 2002162762  | A    | 20020607 | JP 2000-360998  | 20001128 |
| PRAI | JP 2000-360998 |      | 20001128 |                 |          |

OS MARPAT 137:26079

IT 128-37-0, uses 991-84-4 2082-79-3

RL: TEM (Technical or engineered material use); USES (Uses)  
(antioxidant in charge-transporting layer; electrophotog. image formation method and app. with improved photoconductor and toners, and process cartridge used in the app.)

L5 ANSWER 8 OF 11 CA COPYRIGHT 2007 ACS on STN

Full Text

AN 133:215442 CA  
TI Electrophotographic photoconductor showing excellent stable performance



during extended usage  
 IN Kawate, Kenji; Omokawa, Shinichi  
 PA Fuji Electric Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 15 pp.  
 CODEN: JKXXAF

DT Patent  
 LA Japanese  
 FAN.CNT 1

|      | PATENT NO.   | KIND | DATE       | APPLICATION NO. | DATE     |
|------|--|------|------------|-----------------|----------|
| PI   | JP 2000242008  | A    | 20000908   | JP 1999-40087   | 19990218 |
| PRAI | JP 1999-40087  |      | 19990218   |                 |          |
| OS   | MARPAT 133:215442  |      |            |                 |          |
| IT   | 128-37-0, uses 991-84-4  |      | 83454-31-3 |                 |          |
| RL:  | DEV (Device component use); USES (Uses)<br>(antioxidn. agent in <b>charge transport</b> layer of<br>electrophotog. photoconductor showing excellent stable performance<br>during extended usage) |      |            |                 |          |

L5 ANSWER 9 OF 11 CA COPYRIGHT 2007 ACS on STN

Full Text

AN 126:96909 CA  
 TI Electrophotographic photoconductor  
 IN Murakami, Osamu; Uenaka, Tooru; Sato, Terumi  
 PA Mitsubishi Chemical Corp., Japan  
 SO Jpn. Kokai Tokkyo Koho, 29 pp.  
 CODEN: JKXXAF

DT Patent  
 LA Japanese  
 FAN.CNT 1

|      | PATENT NO.   | KIND | DATE                     | APPLICATION NO.                | DATE   |
|------|--|------|--------------------------|--------------------------------|--|
| PI   | JP 08292587  | A    | 19961105                 | JP 1995-310821                 | 19951129   |
| PRAI | JP 1995-35626  | A    | 19950223                 |                                |  |
| OS   | MARPAT 126:96909   |      |                          |                                |  |
| IT   | 90-66-4, Irganox 1081  |      | 91-73-6, Dibenzylaniline | 103-32-2,<br>Phenylbenzylamine | 128-37-0, 3,5-Di-tert-butyl-4-hydroxytoluene, uses<br>620-40-6, Tribenzylamine |
|      | 976-56-7, Irganox 1222   |      | 991-84-4,<br>Irganox 565 | 1254-78-0                      | 2082-79-3, Irganox 1076  |
|      | 6683-19-8, Irganox<br>1010   |      | 26741-53-7               | 31570-04-4                     | 40074-68-8, Sanol LS 1114  |
|      | 80693-00-1<br>82537-67-5, Sanol LS 440   |      |                          |                                |  |
| RL:  | DEV (Device component use); USES (Uses)<br>(antioxidn. agent; electrophotog. photoconductor contg. arylamine<br><b>charge-transporting</b> agents and oxidn.-preventive<br>agents) |      |                          |                                |  |

L5 ANSWER 10 OF 11 CA COPYRIGHT 2007 ACS on STN

Full Text

AN 125:208353 CA  
 TI Organic electrophotographic photoreceptor  
 IN Kawate, Kenji; Nabeta, Osamu  
 PA Fuji Electric Co Ltd, Japan  
 SO Jpn. Kokai Tokkyo Koho, 16 pp.  
 CODEN: JKXXAF

DT Patent  
 LA Japanese  
 FAN.CNT 1

|      | PATENT NO.   | KIND | DATE                                     | APPLICATION NO.                     | DATE   |
|------|--|------|--|-------------------------------------|--|
| PI   | JP 08160641  | A    | 19960621                                 | JP 1994-302578                      | 19941207                                     |
| PRAI | JP 1994-302578   |      | 19941207                                 |                                     |  |
| IT   | 74-31-7  |      | 96-69-5                                  | 101-67-7                            | 101-72-4                                     |
|      | 119-47-1   |      | 123-28-4                                 | 128-37-0,<br>uses                   | 489-01-0                                     |
|      | 603-35-0, Triphenylphosphine, uses   |      | 693-36-7                                 | 723-38-6<br>903-19-5                | 991-84-4                                     |
|      | 1038-95-5, Tri(p-tolyl)phosphine   |      | 2071-20-7, Bis(diphenylphosphino)methane | 3147-75-9                           | 3818-54-0                                    |
|      | 4595-23-7  |      | 6163-58-2, Tri(o-tolyl)phosphine         | 6224-63-1,<br>Tri(m-tolyl)phosphine | 6737-42-4, 1,3-Bis(diphenylphosphino)propane |
|      | 10580-59-3   |      | 13348-35-1                               | 14670-48-5                          | 23128-74-7                                   |
|      | 31570-08-8<br>35074-77-2   |      | 52066-84-9                               | 54637-02-4                          | 63843-89-0                                   |
|      | 71656-21-8<br>91788-83-9   |      | 112147-65-6                              |                                     |  |
| RL:  | MOA (Modifier or additive use); USES (Uses)<br>(antioxidant additive to <b>charge transport</b> layer of |      |  |                                     |  |

electrophotog. photoreceptor)

L5 ANSWER 11 OF 11 CA COPYRIGHT 2007 ACS on STN

Full Text

AN 112:129122 CA

TI Crystalline titanylphthalocyanine derivative for electrophotographic photoconductor

IN Mimura, Yoshikazu; Takano, Keiichi; Gotou, Tomohisa

PA NEC Corp., Japan

SO Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

|             | PATENT NO.   | KIND | DATE                                   | APPLICATION NO. | DATE        |
|-------------|--|------|--|-----------------|-------------|
| PI          | EP 337476  | A2   | 19891018                               | EP 1989-106672  | 19890414    |
|             | EP 337476  | A3   | 19900627                               |                 |             |
|             | EP 337476  | B1   | 19940810                               |                 |             |
|             | R: BE, DE, FR, GB, IT, NL  |      |  |                 |             |
|             | JP 02028265  | A    | 19900130                               | JP 1989-64801   | 19890315    |
|             | JP 2782765   | B2   | 19980806                               |                 |             |
|             | US 4994566   | A    | 19910219                               | US 1989-339442  | 19890417    |
|             | US 5008173   | A    | 19910416                               | US 1990-567042  | 19900813    |
|             | JP 11005919  | A    | 19990112                               | JP 1998-32736   | 19980216    |
|             | JP 3003664   | B2   | 20000131                               |                 |             |
| PRAI        | JP 1988-93051  | A    | 19880415                               |                 |             |
|             | JP 1989-64801  | A    | 19890315                               |                 |             |
|             | US 1989-339442   | A3   | 19890417                               |                 |             |
| IT 991-84-4 | 68189-23-1, p-Diethylaminobenzaldehyde-1,1-diphenylhydrazone   |      | 76188-55-1, Poly(methylphenylsilylene) |                 | 100070-43-7 |
|             | 103079-11-4  |      | 125792-02-1                            |                 |             |
| RL:         | TEM (Technical or engineered material use); USES (Uses) (charge-transporting layer contg., for electrophotog. photoreceptor with charge-generating layer contg. cryst. titanylphthalocyanine deriv.) |      |  |                 |             |

=> fil stnguide

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

17.66

25.72

FILE 'STNGUIDE' ENTERED AT 17:19:10 ON 26 FEB 2007

USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE

AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Feb 23, 2007 (20070223/UP).

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

26.14

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 17:23:10 ON 26 FEB 2007